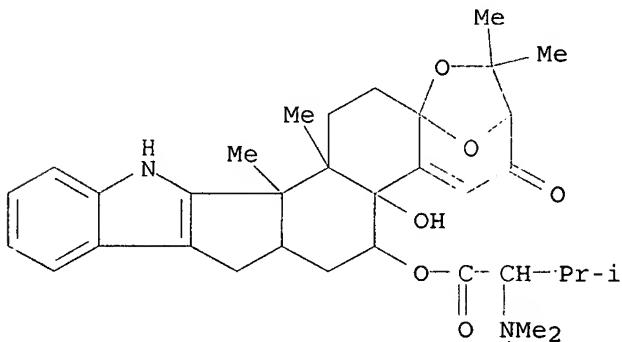


```
=> e paspalinine
E1      2      PASPALINIC/BI
E2      1      PASPALININ/BI
E3      6 ---> PASPALININE/BI
E4      3      PASPALITREM/BI
E5      4      PASPALOIDES/BI
E6      35     PASPALUM/BI
E7      1      PASPAT/BI
E8      1      PASPER/BI
E9      5      PASPER2/BI
E10     1      PASPERTIN/BI
E11     1      PASPHEN/BI
E12     1      PASPHEME/BI
```

```
=> s e3
L1      6 PASPALININE/BI
```

```
=> d 1-6
```

L1 ANSWER 1 OF 6 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 151341-78-5 REGISTRY  
ED Entered STN: 19 Nov 1993  
CN L-Valine, N,N-dimethyl-, 3,4,5b,6,7,7a,8,13,13b,13c,14,15-dodecahydro-5b-hydroxy-2,2,13b,13c-tetramethyl-4-oxo-2H-3,15a-epoxy-1-benzoxepino[6',7':6,7]indeno[1,2-b]indol-6-yl ester, [3R-(3 $\alpha$ ,5b $\alpha$ ,6 $\alpha$ ,7a $\beta$ ,13b $\alpha$ ,13c $\beta$ ,15a $\alpha$ )]- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 2H-3,15a-Epoxy-1-benzoxepino[6',7':6,7]indeno[1,2-b]indole, L-valine deriv.  
OTHER NAMES:  
CN 14 $\alpha$ - (N,N-Dimethyl-L-valyloxy)paspalinine  
MF C34 H44 N2 O6  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 2 OF 6 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 151341-77-4 REGISTRY  
ED Entered STN: 19 Nov 1993  
CN 4H-3,15a-Epoxy-1-benzoxepino[6',7':6,7]indeno[1,2-b]indol-4-one, 2,3,5b,6,7,7a,8,13,13b,13c,14,15-dodecahydro-5b,6-dihydroxy-2,2,13b,13c-tetramethyl-, [3R-(3 $\alpha$ ,5b $\alpha$ ,6 $\alpha$ ,7a $\beta$ ,13b $\alpha$ ,13c $\beta$ .bet]

a., 15 $\alpha$  $\alpha$ )]- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 14 $\alpha$ -Hydroxypaspalinine

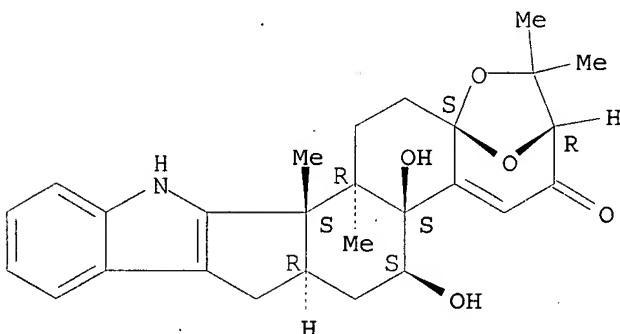
FS STEREOSEARCH

MF C27 H31 N O5

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry. Rotation (+).



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

3 REFERENCES IN FILE CA (1907 TO DATE)

3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 3 OF 6 REGISTRY COPYRIGHT 2007 ACS on STN

RN 90866-61-8 REGISTRY

ED Entered STN: 16 Nov 1984

CN 4H-3,15a-Epoxy-1-benzoxepino[6',7':6,7]indeno[1,2-b]indol-4-one,  
2,3,5b,6,7,7a,8,13,13b,13c,14,15-dodecahydro-5b-hydroxy-2,2,13b,13c-  
tetramethyl-9-(3-methyl-2-but enyl)-, (3R,5bS,7aS,13bS,13cR,15aS)- (9CI)  
(CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 4H-3,15a-Epoxy-1-benzoxepino[6',7':6,7]indeno[1,2-b]indol-4-one,  
2,3,5b,6,7,7a,8,13,13b,13c,14,15-dodecahydro-5b-hydroxy-2,2,13b,13c-  
tetramethyl-9-(3-methyl-2-but enyl)-, [3R-(3 $\alpha$ ,5 $\beta$ ,7a $\beta$ ,13b.  
alpha.,13c $\beta$ ,15a $\alpha$ )]-

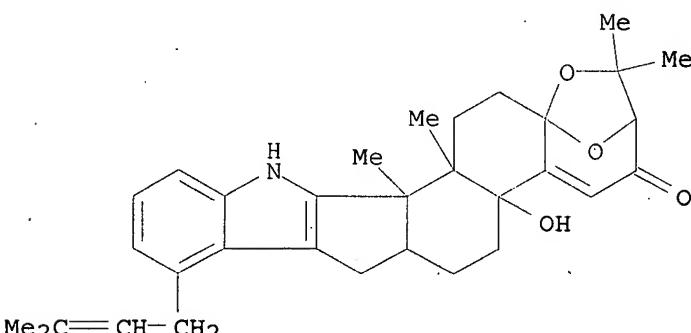
OTHER NAMES:

CN 4-(3-Methyl-2-but enyl)paspalinine

CN Paspalitrem C

MF C32 H39 N O4

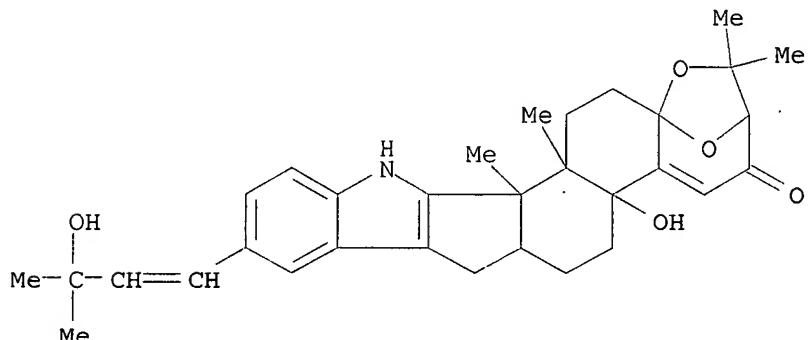
LC STN Files: AGRICOLA, BIOSIS, CA, CAPLUS, NAPRALERT, TOXCENTER, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

7 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
7 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 4 OF 6 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 63764-58-9 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 4H-3,15a-Epoxy-1-benzoxepino[6',7':6,7]indeno[1,2-b]indol-4-one,  
2,3,5b,6,7,7a,8,13,13b,13c,14,15-dodecahydro-5b-hydroxy-10-[(1E)-3-hydroxy-  
3-methyl-1-butenyl]-2,2,13b,13c-tetramethyl-, (3R,5bS,7aS,13bS,13cR,15aS)-  
(9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 4H-3,15a-Epoxy-1-benzoxepino[6',7':6,7]indeno[1,2-b]indol-4-one,  
2,3,5b,6,7,7a,8,13,13b,13c,14,15-dodecahydro-5b-hydroxy-10-(3-hydroxy-3-  
methyl-1-butenyl)-2,2,13b,13c-tetramethyl-, [3R-  
[3 $\alpha$ ,5b $\alpha$ ,7a $\beta$ ,10(E),13b $\alpha$ ,13c $\beta$ ,15a $\alpha$ ]]-  
OTHER NAMES:  
CN 19-(3-Hydroxy-3-methyl-1-butenyl)paspalinine  
CN Paspalitrem B  
MF C32 H39 N O5  
LC STN Files: BEILSTEIN\*, CA, CAPLUS, NAPRALERT, TOXCENTER, USPATFULL  
(\*File contains numerically searchable property data)

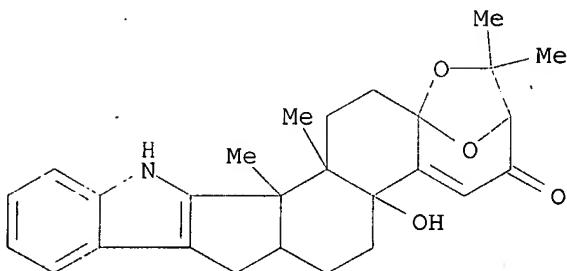


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

7 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
7 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 5 OF 6 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 63722-91-8 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 4H-3,15a-Epoxy-1-benzoxepino[6',7':6,7]indeno[1,2-b]indol-4-one,  
2,3,5b,6,7,7a,8,13,13b,13c,14,15-dodecahydro-5b-hydroxy-2,2,13b,13c-  
tetramethyl-, (3R,5bS,7aS,13bS,13cR,15aS)- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 4H-3,15a-Epoxy-1-benzoxepino[6',7':6,7]indeno[1,2-b]indol-4-one,  
2,3,5b,6,7,7a,8,13,13b,13c,14,15-dodecahydro-5b-hydroxy-2,2,13b,13c-  
tetramethyl-, [3R-(3 $\alpha$ ,5b $\alpha$ ,7a $\beta$ ,13b $\alpha$ ,13c $\beta$ ,15a.al  
pha.)]-  
OTHER NAMES:  
CN (+)-Paspalinine  
CN 11-Hydroxypaspalicine

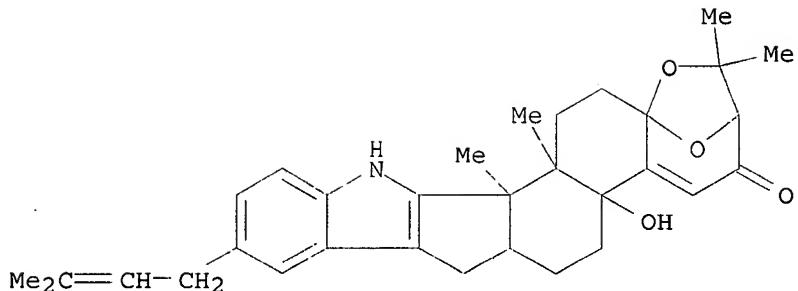
CN Paspalinin  
CN Paspalinine  
MF C27 H31 N O4  
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOSIS, CA, CAPLUS, CASREACT,  
CHEMINFORMRX, EMBASE, MEDLINE, NAPRALERT, TOXCENTER, USPATFULL  
(\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

25 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
25 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L1 ANSWER 6 OF 6 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 63722-90-7 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 4H-3,15a-Epoxy-1-benzoxepino[6',7':6,7]indeno[1,2-b]indol-4-one,  
2,3,5b,6,7,7a,8,13,13b,13c,14,15-dodecahydro-5b-hydroxy-2,2,13b,13c-  
tetramethyl-10-(3-methyl-2-butenyl)-, (3R,5bS,7aS,13bS,13cR,15aS)- (CA  
INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 4H-3,15a-Epoxy-1-benzoxepino[6',7':6,7]indeno[1,2-b]indol-4-one,  
2,3,5b,6,7,7a,8,13,13b,13c,14,15-dodecahydro-5b-hydroxy-2,2,13b,13c-  
tetramethyl-10-(3-methyl-2-butenyl)-, [3R-(3 $\alpha$ ,5b $\alpha$ ,7a $\beta$ ,13b  
 $\alpha$ ,13c $\beta$ ,15a $\alpha$ )]-  
CN 4H-3,15a-Epoxy-1-benzoxepino[6',7':6,7]indeno[1,2-b]indol-4-one,  
2,3,5b,6,7,7a,8,13,13b,13c,14,15-dodecahydro-5b-hydroxy-2,2,13b,13c-  
tetramethyl-10-(3-methyl-2-butenyl)-, (3R,5bS,7aS,13bS,13cR,15aS)- (9CI)  
OTHER NAMES:  
CN 19-(3-Methyl-2-butanyl)paspalinine  
CN Paspalitrem A  
MF C32 H39 N O4  
LC STN Files: AGRICOLA, BEILSTEIN\*, BIOSIS, CA, CAPLUS, NAPRALERT,  
TOXCENTER, USPATFULL  
(\*File contains numerically searchable property data)



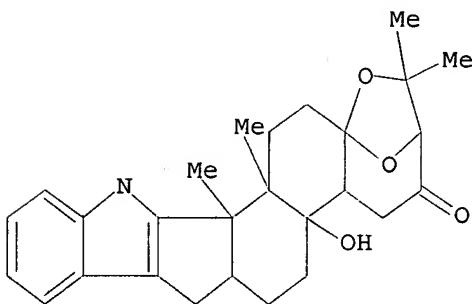
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

8 REFERENCES IN FILE CA (1907 TO DATE)  
 2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 8 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>  
 Uploading C:\Documents and Settings\pdickinson\My Documents\Paspalinine Revised.str

L2        STRUCTURE UPLOADED

=> d 12  
 L2 HAS NO ANSWERS  
 L2                    STR



Structure attributes must be viewed using STN Express query preparation.

=> s 12  
 SAMPLE SEARCH INITIATED 09:32:03 FILE 'REGISTRY'  
 SAMPLE SCREEN SEARCH COMPLETED -                    8 TO ITERATE

100.0% PROCESSED	8 ITERATIONS	0 ANSWERS
SEARCH TIME: 00.00.01		
FULL FILE PROJECTIONS:	ONLINE    **COMPLETE**	
	BATCH    **COMPLETE**	
PROJECTED ITERATIONS:	8 TO            329	
PROJECTED ANSWERS:	0 TO            0	

L3        0 SEA SSS SAM L2

=> s 12 full  
 FULL SEARCH INITIATED 09:32:08 FILE 'REGISTRY'  
 FULL SCREEN SEARCH COMPLETED -                    120 TO ITERATE

100.0% PROCESSED	120 ITERATIONS	0 ANSWERS
------------------	----------------	-----------

SEARCH TIME: 00.00.01

L4 0 SEA SSS FUL L2

FILE 'CAPLUS' ENTERED AT 09:32:38 ON 30 AUG 2007  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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FILE COVERS 1907 - 30 Aug 2007 VOL 147 ISS 10  
FILE LAST UPDATED: 29 Aug 2007 (20070829/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 12  
REGISTRY INITIATED  
Substance data SEARCH and crossover from CAS REGISTRY in progress...  
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

SAMPLE SEARCH INITIATED 09:32:42 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 8 TO ITERATE

100.0% PROCESSED            8 ITERATIONS            0 ANSWERS  
SEARCH TIME: 00:00:01

FULL FILE PROJECTIONS:	ONLINE	**COMPLETE**
	BATCH	**COMPLETE**
PROJECTED ITERATIONS:	8 TO	329
PROJECTED ANSWERS:	0 TO	0

L5 0 SEA SSS SAM L2

L6 0 L5

=> file beilstein  
COST IN U.S. DOLLARS  
SINCE FILE  
ENTRY  
TOTAL  
SESSION  
F 195.96  
0.47  
195.96  
FULL ESTIMATED COST

FILE 'BEILSTEIN' ENTERED AT 09:33:11 ON 30 AUG 2007  
COPYRIGHT (c) 2007 Beilstein-Institut zur Foerderung der Chemischen Wissenschaften  
licensed to Beilstein GmbH and MDL Information Systems GmbH

FILE LAST UPDATED ON June 25, 2007

FILE COVERS 1771 TO 2007.

\*\*\* FILE CONTAINS 10,004,722 SUBSTANCES \*\*\*

>>> PLEASE NOTE: Reaction Data and substance data are stored in separate documents and can not be searched together in one query. Reaction data for BEILSTEIN compounds may be displayed immediately with the display codes PRE (preparations) and REA (reactions). A substance answer set retrieved after the search for a chemical name, a compounds with available reaction information by combining with PRE/FA, REA/FA or more generally with RX/FA. The BEILSTEIN Registry Number (BRN) is the link between a BEILSTEIN compound and belonging reactions. For more detailed reaction searches BRNs can be searched as reaction partner BRNs Reactant BRN (RX.RBRN) or Product BRN (RX.PBRN). <<<

>>>. FOR SEARCHING PREPARATIONS SEE HELP PRE <<<

\*\*\*\*\*  
\* PLEASE NOTE THAT THERE ARE NO FORMATS FREE OF COST. \*  
\* SET NOTICE FEATURE: THE COST ESTIMATES CALCULATED FOR SET NOTICE \*  
\* ARE BASED ON THE HIGHEST PRICE CATEGORY. THEREFORE, THESE \*  
\* ESTIMATES MAY NOT REFLECT THE ACTUAL COSTS. \*  
\* FOR PRICE INFORMATION SEE HELP COST \*  
\*\*\*\*\*

NEW

\* PATENT NUMBERS (PN) AND BABS ACCESSION NUMBERS (BABSAN) CAN NOW BE  
SEARCHED, SELECTED AND TRANSFERRED.  
\* NEW DISPLAY FORMATS ALLREF, ALLP AND BABSAN SHOW ALL REFERENCES,  
ALL PATENT REFERENCES, OR ALL BABS ACCESSION NUMBERS FOR A  
COMPOUND AT A GLANCE.

=> d his

(FILE 'HOME' ENTERED AT 09:23:55 ON 30 AUG 2007)

FILE 'REGISTRY' ENTERED AT 09:25:02 ON 30 AUG 2007  
E PASPALININE

L1 6 S E3  
L2 STRUCTURE UPLOADED  
L3 0 S L2  
L4 0 S L2 FULL

FILE 'CAPLUS' ENTERED AT 09:32:38 ON 30 AUG 2007  
S L2

FILE 'REGISTRY' ENTERED AT 09:32:41 ON 30 AUG 2007  
L5 0 S L2

FILE 'CAPLUS' ENTERED AT 09:32:42 ON 30 AUG 2007  
L6 0 S L5

FILE 'BEILSTEIN' ENTERED AT 09:33:11 ON 30 AUG 2007

=> s 12  
SAMPLE SEARCH INITIATED 09:33:24 FILE 'BEILSTEIN'  
SAMPLE SCREEN SEARCH COMPLETED - 2 TO ITERATE

100.0% PROCESSED

2 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 2 TO 124  
PROJECTED ANSWERS: 0 TO 0

L7 0 SEA SSS SAM L2